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PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee: SUGITA ET AL. Examiner: W J KLIMOWICZ  
Patent No.: 6,842,317 B2 Group Art Unit: 2652  
Issued: JANUARY 11, 2005 Docket No.: 10873.1317USW1  
Title: MAGNETORESISTIVE ELEMENT, MAGNETIC HEAD, MAGNETIC MEMORY AND MAGNETIC RECORDING APPARATUS USING THE SAME

## CERTIFICATE UNDER 37 CFR 1.8:

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By:

Name: Chieko Rogers

Attn: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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PATENT TRADEMARK OFFICE

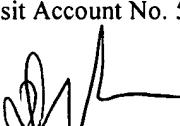
Sir:

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- Transmittal Sheet in duplicate containing Certificate of Mailing
- Request for Certificate of Correction
- Change of Address
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Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902 Minneapolis, MN 55402  
612.455-3800

By:   
Name: Douglas P. Mueller  
Reg. No.: 30,300  
Initials: DPM/cmr

**Certificate**  
**NOV 22 2005**  
**of Correction**



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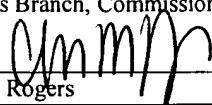
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Name: Chieko Rogers

REQUEST FOR CERTIFICATE OF CORRECTION

Attn: Certificate of Corrections Branch  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313

Dear Sir:

It is requested a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. A copy of the text of the Certificate in the suggested form is attached.

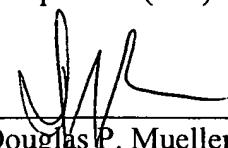
Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims, and re-examination is not required.

Since none of the errors are Patentees' mistake, no fee is believed to be due.

Respectfully submitted,

HAMRE, SCHUMANN,  
MUELLER & LARSON P.C.  
P.O. Box 2902  
Minneapolis, MN 55402  
Telephone: (612) 455-3800

Nov. 14, 2005  
Date

  
Douglas P. Mueller  
Reg. No. 30,300  
DPM/cmr

NOV 23 2005

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTIONPage 1 of 1

PATENT NO. : 6,842,317 B2

APPLICATION NO.: 09/692,362

ISSUE DATE : January 11, 2005

INVENTOR(S) : Sugita et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 25, lie 42, claim 7: "Fe<sub>1-a</sub> - Pt<sub>a</sub> a is a number" should read -- Fe<sub>1-a</sub> - Pt<sub>a</sub>, a is a number --

Col. 26, line 8, claim 10: "according to claim 6" should read --according to claim 9 --

Col. 26, line 10, claim 10: "by the formula Fe<sub>1-c-Mc</sub>," should read --by the formula Fe<sub>1-c</sub>-M<sub>c</sub>--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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